

checkCIF/PLATON report

You have not supplied any structure factors. As a result the full set of tests cannot be run.

No syntax errors found. CIF dictionary Interpreting this report

Datablock: I

Bond precision: C-C = 0.0036 A Wavelength=0.71073

Cell: a=9.4522(7) b=11.2223(10) c=11.8315(10)
 alpha=108.037(7) beta=92.376(7) gamma=102.972(7)

Temperature: 298 K

	Calculated	Reported
Volume	1154.53(18)	1154.53(17)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	C27 H22 N2 O5	?
Sum formula	C27 H22 N2 O5	C27 H22 N2 O5
Mr	454.47	454.47
Dx,g cm-3	1.307	1.307
Z	2	2
Mu (mm-1)	0.091	0.091
F000	476.0	476.0
F000'	476.24	
h,k,lmax	12,15,16	12,15,16
Nref	6252	6165
Tmin,Tmax	0.984,0.991	
Tmin'	0.964	

Correction method= Not given

Data completeness= 0.986 Theta(max)= 29.200

R(reflections)= 0.0704(3843) wR2(reflections)= 0.1617(6165)

S = 1.043 Npar= 307

The following ALERTS were generated. Each ALERT has the format

test-name_ALERT_alert-type_alert-level.

Click on the hyperlinks for more details of the test.

Alert level C

PLAT048_ALERT_1_C	MoietyFormula Not Given	?
PLAT220_ALERT_2_C	Large Non-Solvent	C Ueq(max)/Ueq(min) ...	3.7 Ratio
PLAT230_ALERT_2_C	Hirshfeld Test Diff for	O1 -- N2 ..	5.8 su
PLAT241_ALERT_2_C	Check High	Ueq as Compared to Neighbors for	C2

Alert level G

PLAT005_ALERT_5_G No `_iucr_refine_instructions_details` in the CIF ?
 PLAT154_ALERT_1_G The `su`'s on the Cell Angles are Equal 0.00700 Deg.
 PLAT793_ALERT_4_G The Model has Chirality at C9 (Verify) S
 PLAT793_ALERT_4_G The Model has Chirality at C10 (Verify) S
 PLAT793_ALERT_4_G The Model has Chirality at C11 (Verify) S
 PLAT793_ALERT_4_G The Model has Chirality at C19 (Verify) R

0 **ALERT level A** = Most likely a serious problem - resolve or explain
 0 **ALERT level B** = A potentially serious problem, consider carefully
 5 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
 6 **ALERT level G** = General information/check it is not something unexpected

2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
 4 ALERT type 2 Indicator that the structure model may be wrong or deficient
 0 ALERT type 3 Indicator that the structure quality may be low
 4 ALERT type 4 Improvement, methodology, query or suggestion
 1 ALERT type 5 Informative message, check

checkCIF publication errors

Alert level A

PUBL004_ALERT_1_A The contact author's name and address are missing,
`_publ_contact_author_name` and `_publ_contact_author_address`.
 PUBL005_ALERT_1_A `_publ_contact_author_email`, `_publ_contact_author_fax` and
`_publ_contact_author_phone` are all missing.
 At least one of these should be present.
 PUBL006_ALERT_1_A `_publ_requested_journal` is missing
 e.g. 'Acta Crystallographica Section C'
 PUBL008_ALERT_1_A `_publ_section_title` is missing. Title of paper.
 PUBL009_ALERT_1_A `_publ_author_name` is missing. List of author(s) name(s).
 PUBL010_ALERT_1_A `_publ_author_address` is missing. Author(s) address(es).
 PUBL012_ALERT_1_A `_publ_section_abstract` is missing.
 Abstract of paper in English.

Alert level G

PUBL013_ALERT_1_G The `_publ_section_comment` (discussion of study) is
 missing. This is required for a full paper submission (but is
 optional for an electronic paper).
 PUBL017_ALERT_1_G The `_publ_section_references` section is missing or
 empty.

7 **ALERT level A** = Data missing that is essential or data in wrong format
 2 **ALERT level G** = General alerts. Data that may be required is missing

Publication of your CIF

You should attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the nature of your study may justify the reported deviations from journal submission requirements and the more serious of these should be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. *checkCIF* was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

If level A alerts remain, which you believe to be justified deviations, and you intend to submit this CIF for publication in Acta Crystallographica Section C or Section E, you should additionally insert an explanation in your CIF using the Validation Reply Form (VRF) below. Your explanation will be considered as part of the review process.

If you intend to submit to another section of Acta Crystallographica or Journal of Applied Crystallography or Journal of Synchrotron Radiation, you should make sure that at least a basic structural check is run on the final version of your CIF prior to submission.

```
# start Validation Reply Form
_vrf_PUBL004_GLOBAL
;
PROBLEM: The contact author's name and address are missing,
RESPONSE: ...
;
_vrf_PUBL005_GLOBAL
;
PROBLEM: _publ_contact_author_email, _publ_contact_author_fax and
RESPONSE: ...
;
_vrf_PUBL006_GLOBAL
;
PROBLEM: _publ_requested_journal is missing
RESPONSE: ...
;
_vrf_PUBL008_GLOBAL
;
PROBLEM: _publ_section_title is missing. Title of paper.
RESPONSE: ...
;
_vrf_PUBL009_GLOBAL
;
PROBLEM: _publ_author_name is missing. List of author(s) name(s).
RESPONSE: ...
;
_vrf_PUBL010_GLOBAL
;
PROBLEM: _publ_author_address is missing. Author(s) address(es).
RESPONSE: ...
;
_vrf_PUBL012_GLOBAL
;
```

PROBLEM: _publ_section_abstract is missing.
RESPONSE: ...
;
end Validation Reply Form

If you wish to submit your CIF for publication in Acta Crystallographica Section C or E, you should upload your CIF via the web. If your CIF is to form part of a submission to another IUCr journal, you will be asked, either during electronic submission or by the Co-editor handling your paper, to upload your CIF via our web site.

PLATON version of 05/11/2012; check.def file version of 05/11/2012

Datablock I - ellipsoid plot

